

Optimizing Operations With ArcGIS Apps

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Today's Objectives

- **Introduce real world mobile workflows with ArcGIS Platform**
- **Show and implement mobile COTS solutions that meet your business objectives**
- **Use of geographic data for real-time monitoring and key performance indicators**
- **Learn about and implement mobile solutions to engage citizens**

Enabling Mobile Workflows with ArcGIS



Providing mapping, analysis, data management, and collaboration

Objectives

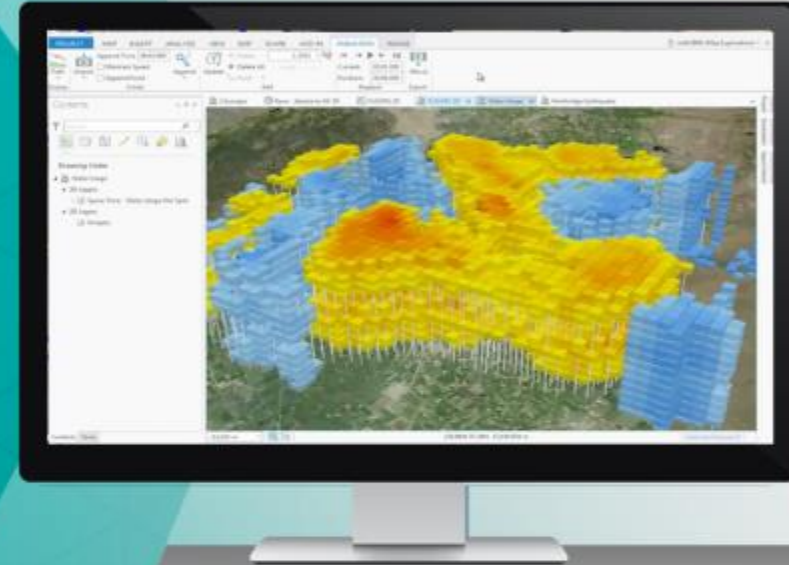
- **Field Operations:**

- Plan
- Coordinate
- Navigate
- Capture
- Monitor



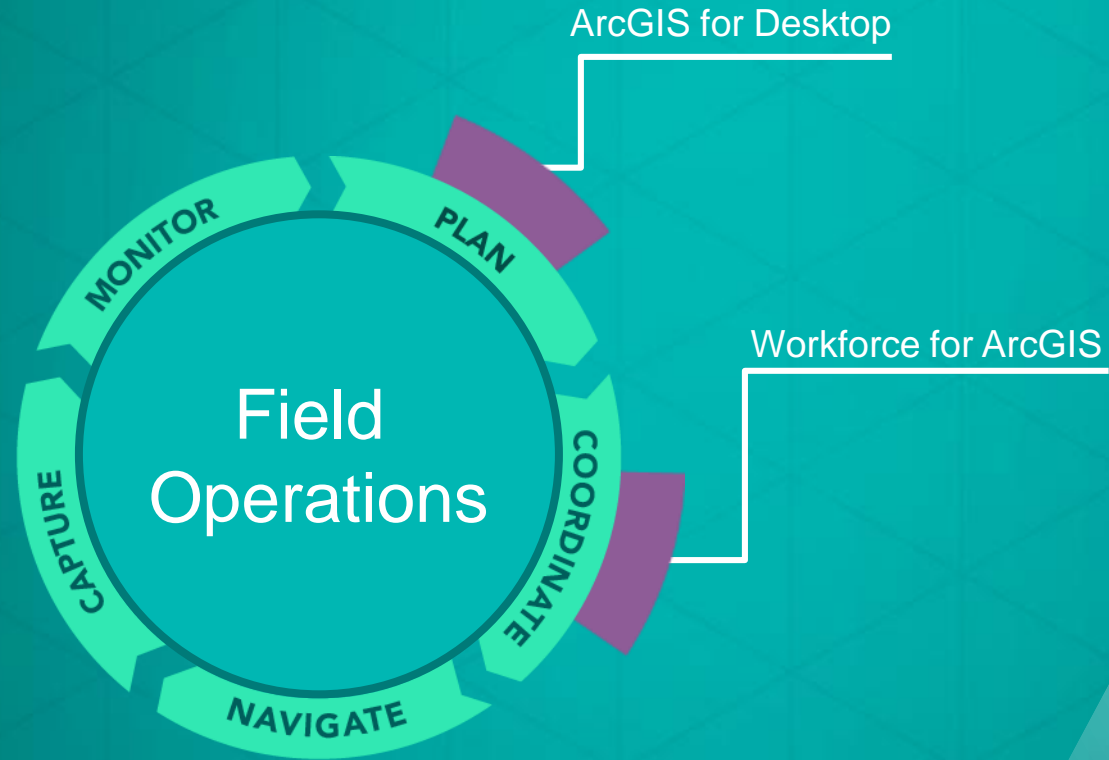
Optimizing Field Operations With ArcGIS

ArcGIS for Desktop



Analysis

Workforce for ArcGIS



Dispatcher
Assigns Work



Field Workers
Receive Assignments

Work as a Team
New!

Workforce for ArcGIS

Dispatcher Assigns Work



Field Workers Receive Assignments

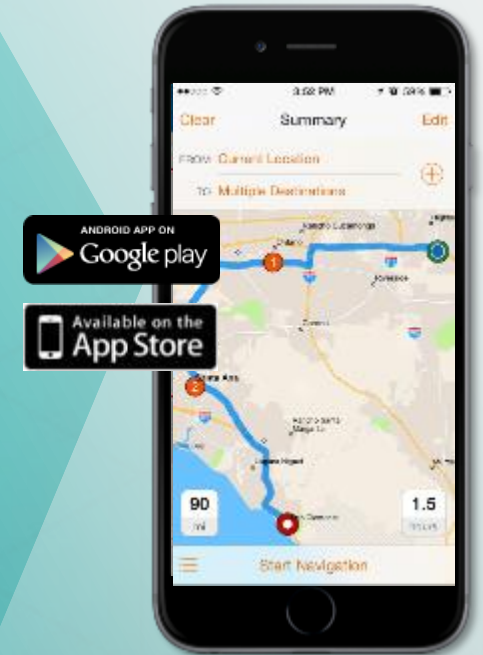
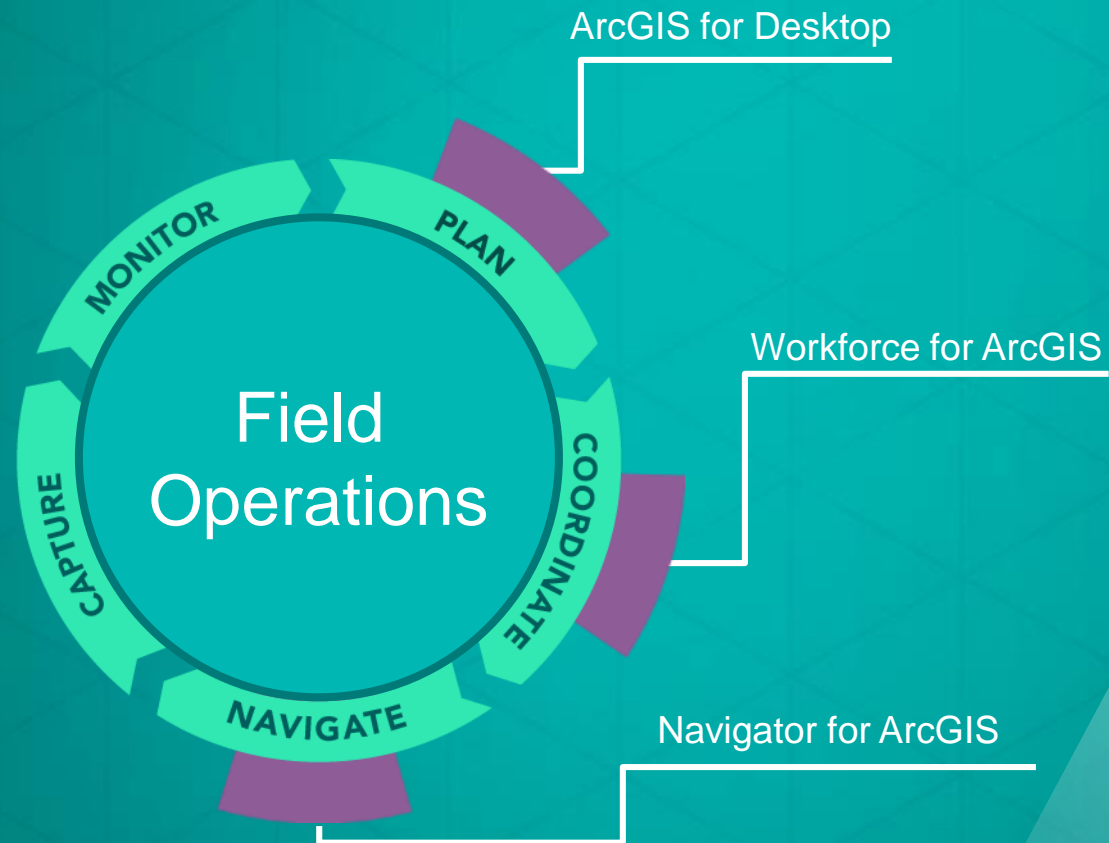
Work as a Team

New!

- workforce.arcgis.com
- Two basic components:
 - Back-office: Dispatcher
 - Field app: Mobile worker
- Work as a Team

<http://workforce.arcgis.com>

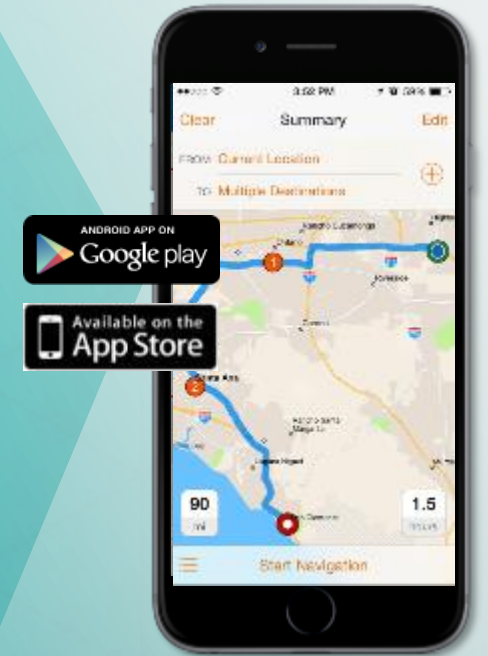
Navigator for ArcGIS



App-Link API
Your Own Maps

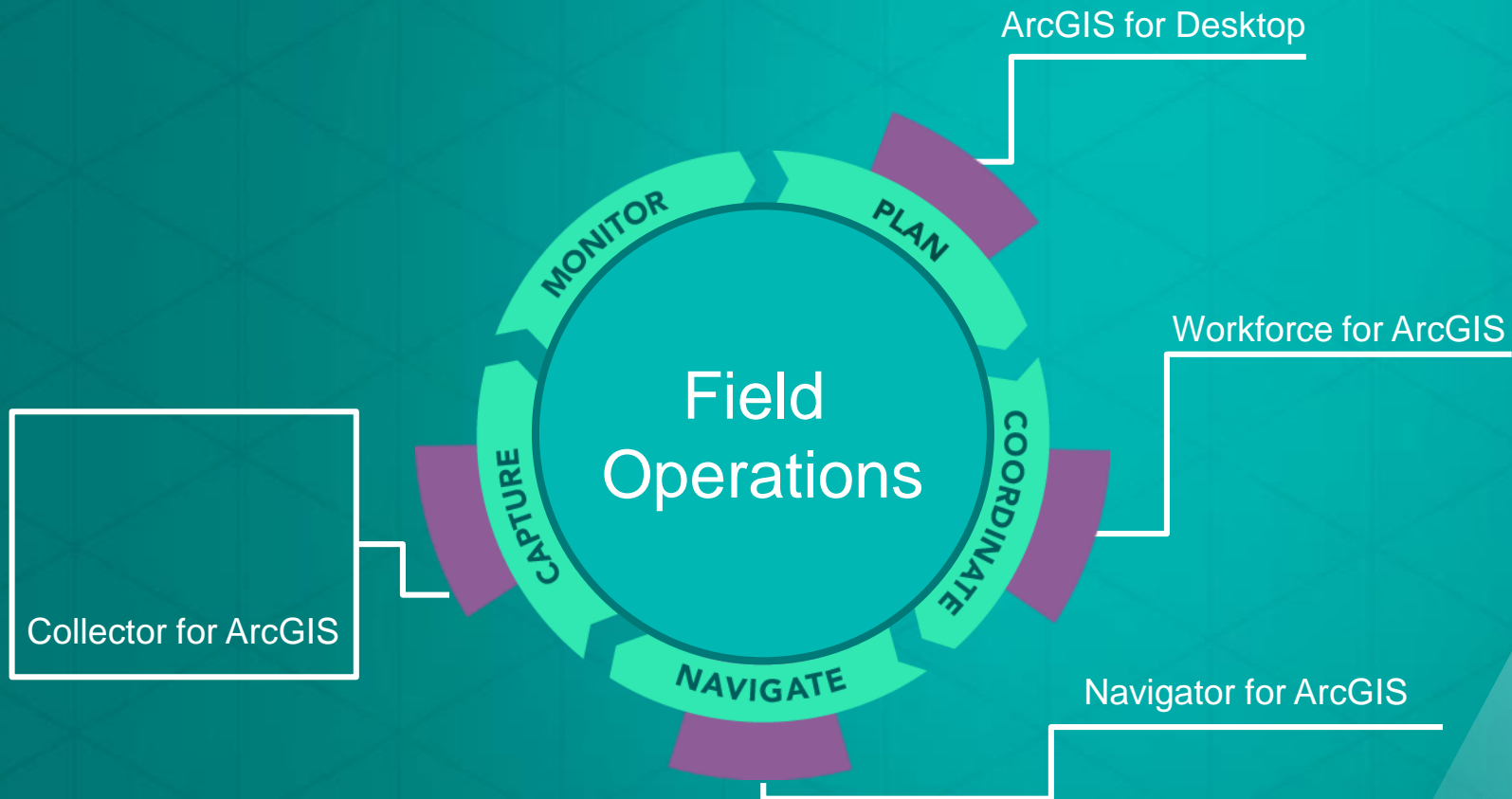
Navigator for ArcGIS

- esri.com/products/navigator
- Street Data Included
- You can load your own too
- Works offline
- App-Link API



<http://www.esri.com/navigator>

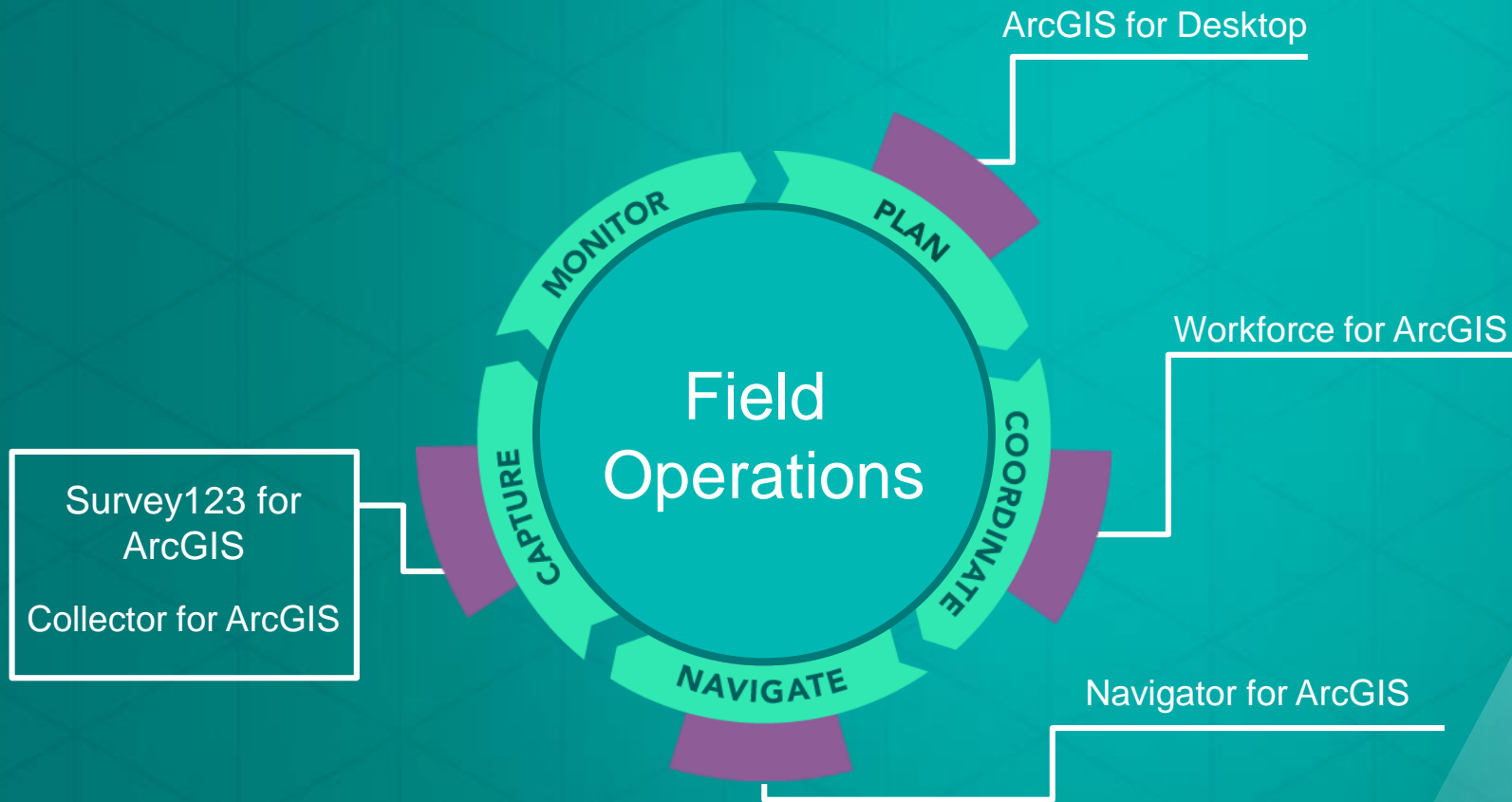
Collector for ArcGIS



Map Centric Data Collection
Windows Support
High Accuracy

<http://www.esri.com/collector>

Survey123 for ArcGIS



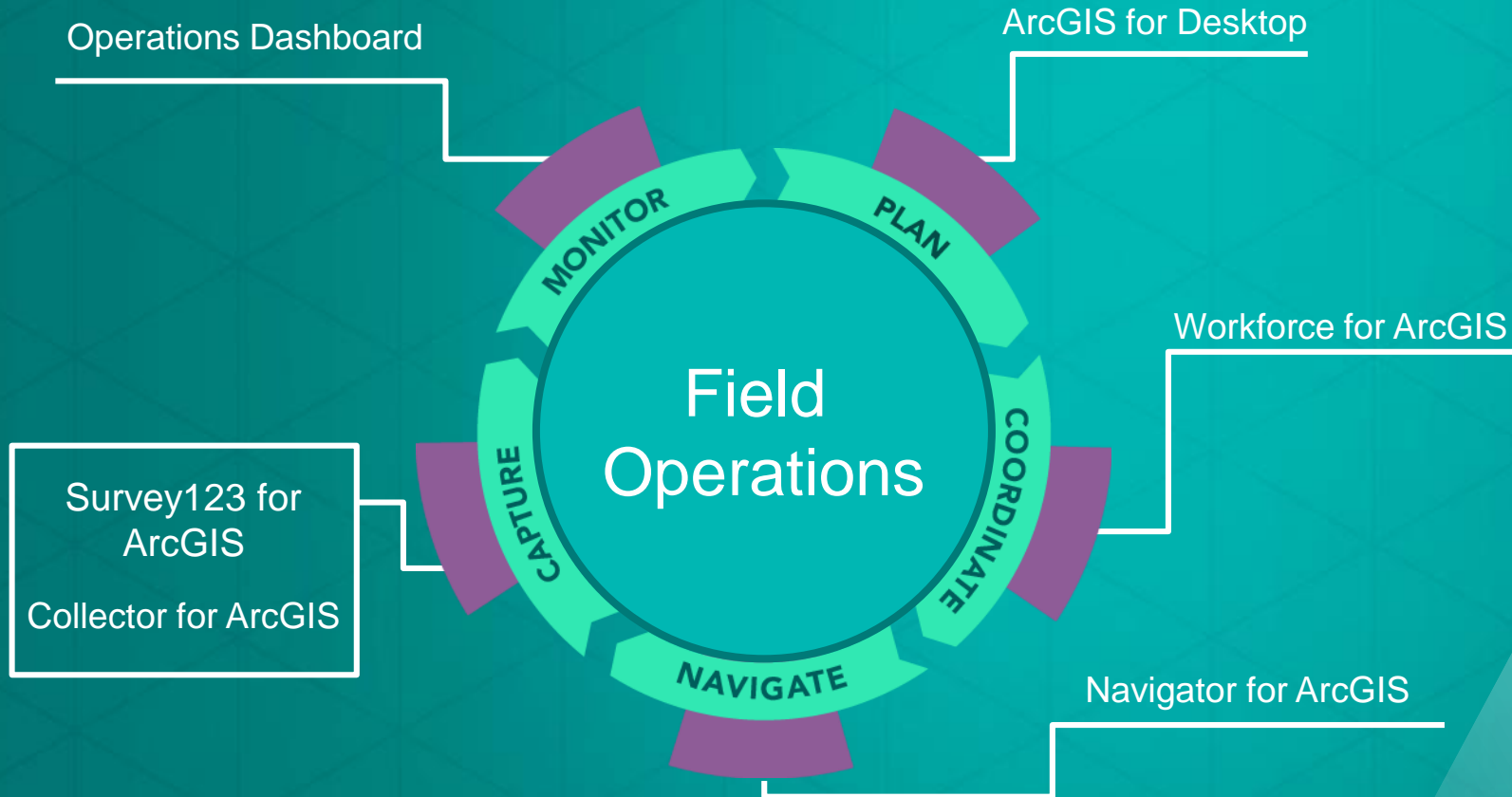
Smart Forms

New!

Source Code Available

<http://survey123.arcgis.com>

Operations Dashboard



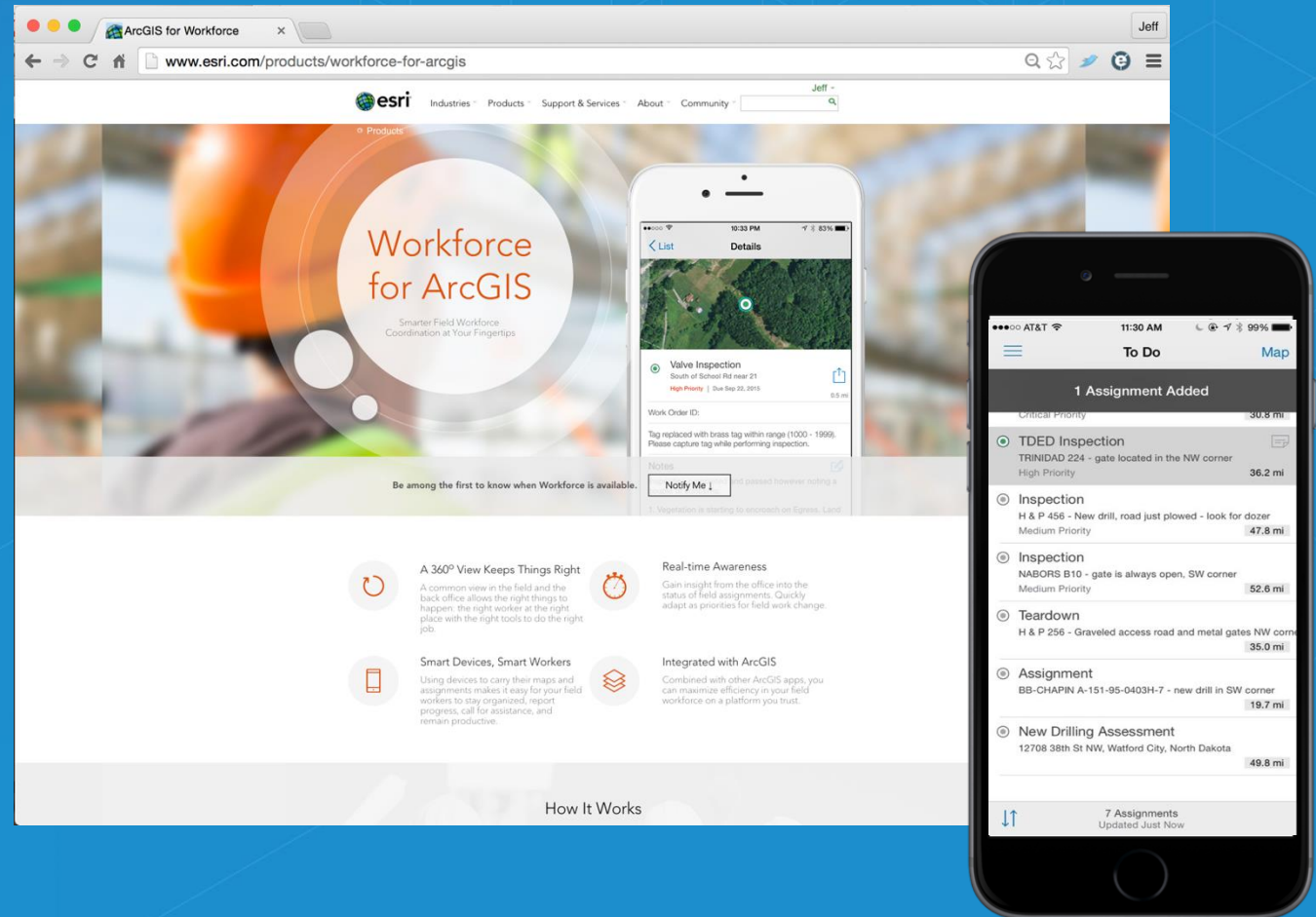
Real-Time Monitoring
Key Performance Indicators
Next Generation

<http://www.esri.com/dashboard>

Workforce for ArcGIS| Coordinating field to office workflows

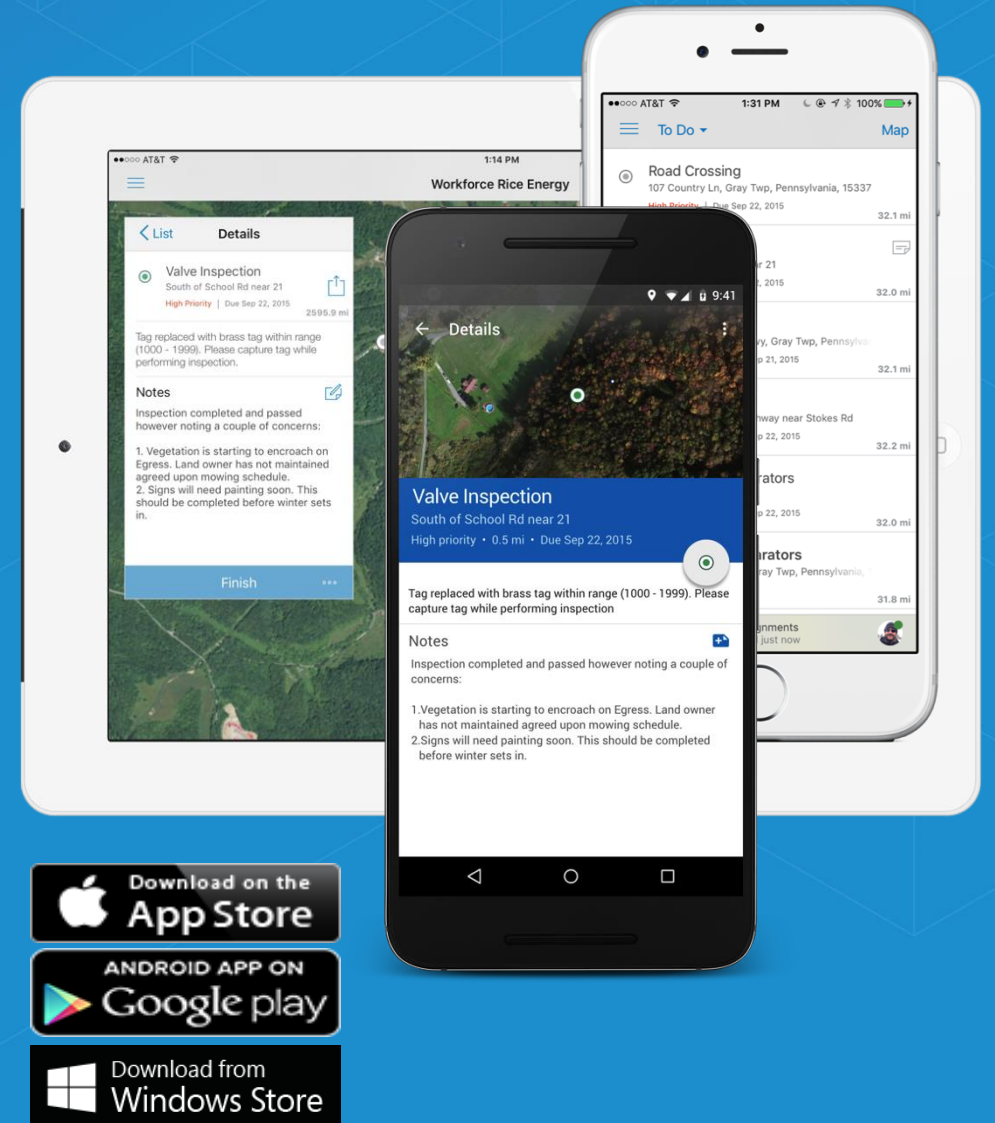


- Field workforce optimization
- Efficiently plan and assign work
- Receive assignments and report status from the field



Workforce for ArcGIS | Coordinate

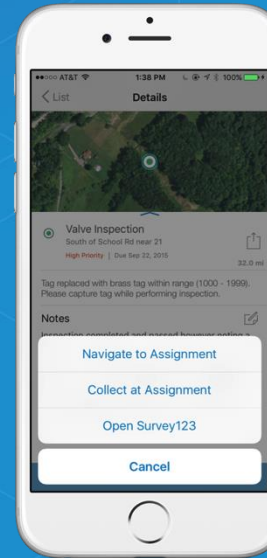
- View and complete work assignments
- Organize your work list
- Receive notifications
- Set your working status
- Add and edit notes
- View referenced attachments



Workforce for ArcGIS | Get to assigned work

- Integrated with ArcGIS Apps so you can:
 - Get to the location of work assignments using Navigator for ArcGIS

Open Navigator
and create a route



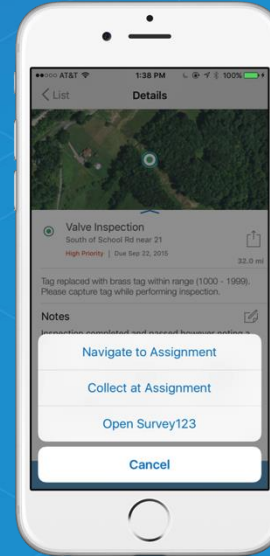
Return to Workforce
at destination



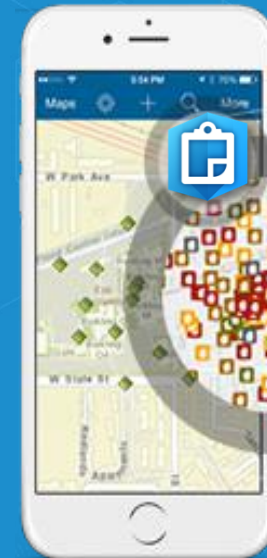
Workforce for ArcGIS | Collect at location

- Integrated with ArcGIS Apps so you can:
 - Get to the location of work assignments using Navigator for ArcGIS
 - Complete your work using:
 - Collector for ArcGIS

Open Collector
and go to location



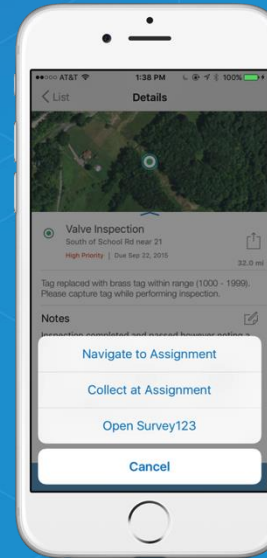
Return to Workforce
when finished



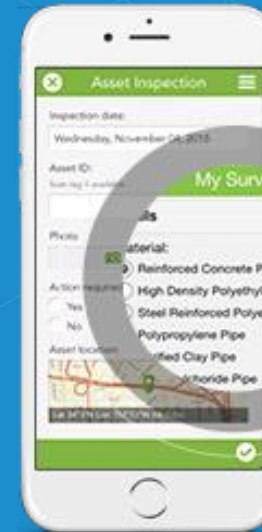
Workforce for ArcGIS | Survey at location

- Integrated with ArcGIS Apps so you can:
 - Get to the location of work assignments using Navigator for ArcGIS
 - Complete your work using:
 - Collector for ArcGIS
 - Survey123

Open Survey123



Return to Workforce
when finished

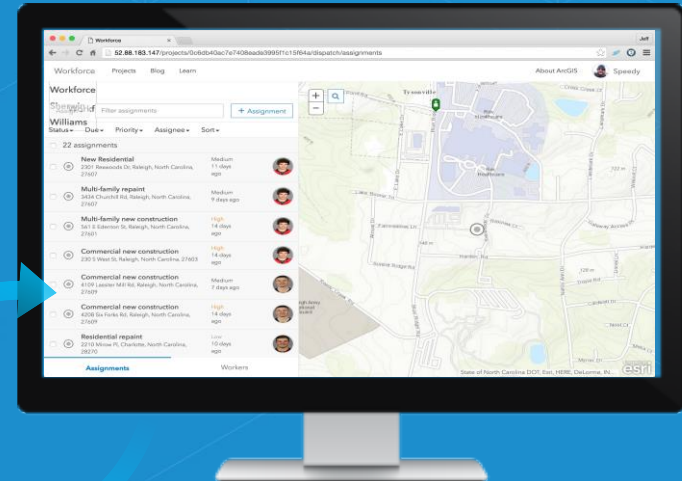


Workforce for ArcGIS | Plan

- Fuse work management into the ArcGIS platform
- Create, Prioritize and Assign Work
- Manage planned work assignments
- React and respond to unplanned work

Assign work

Complete work



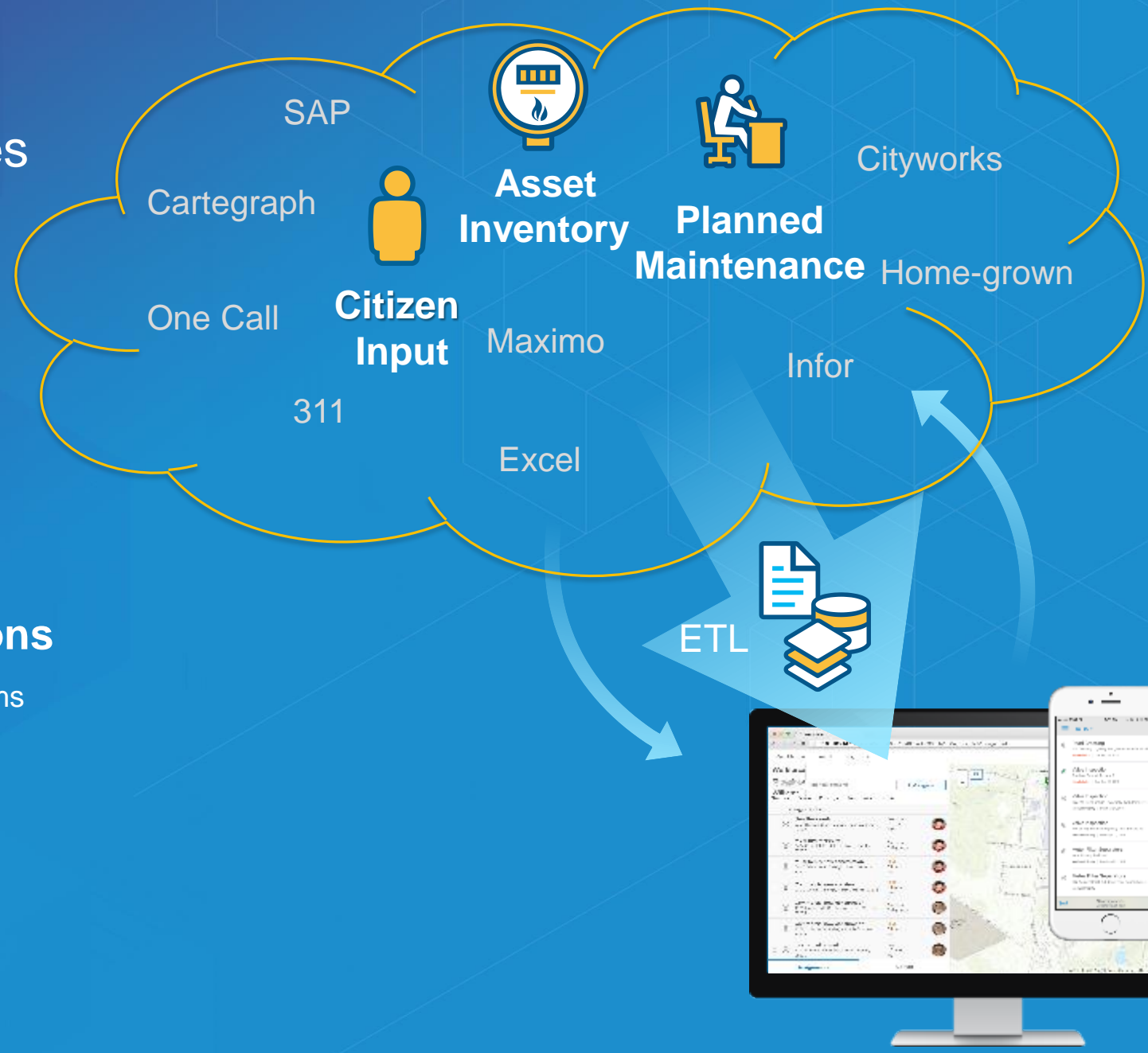
Workforce | Opportunities

- **Small organizations**

- A location solution to replace paper-based workflows
- Works seamlessly with ArcGIS apps for the field

- **Mid-to-large size organizations**

- Complement work management systems
- Partner opportunities
 - System Integrators
 - Customized solutions



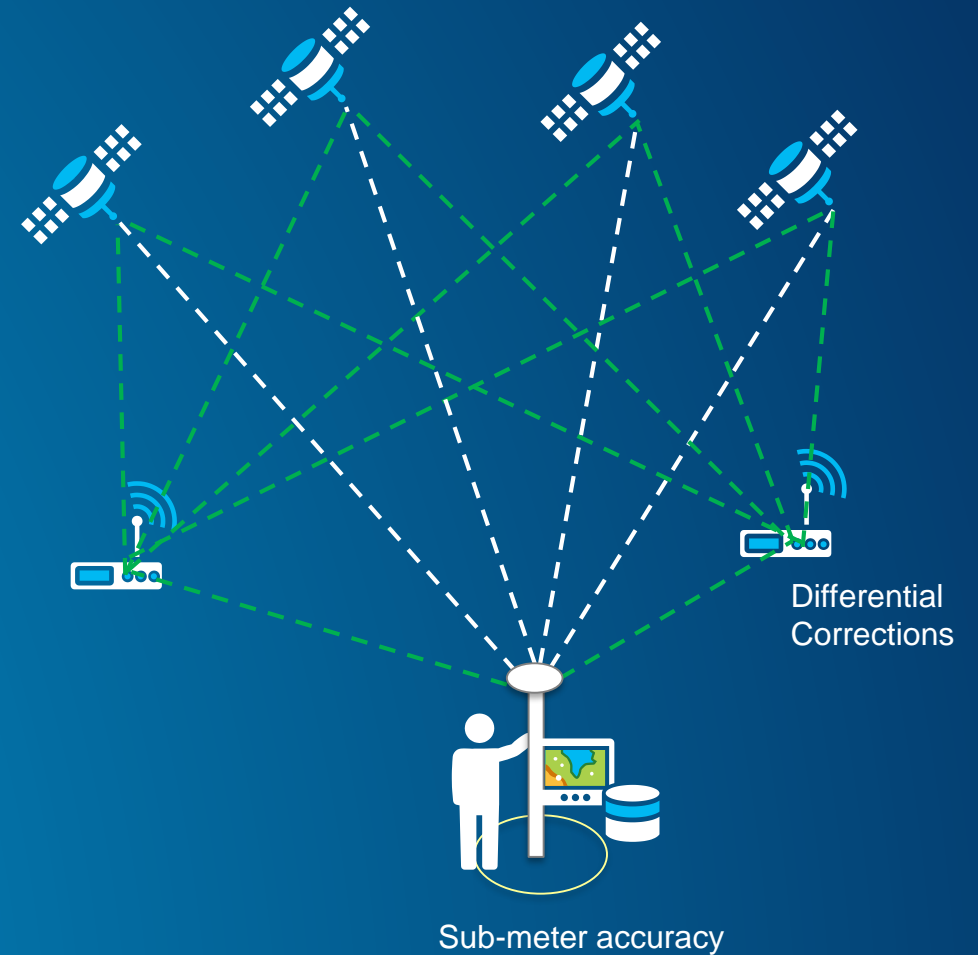
Collector for ArcGIS

- Create and Share a Map
- Collect Data
- Go Offline
- Get Professional Grade Accuracy

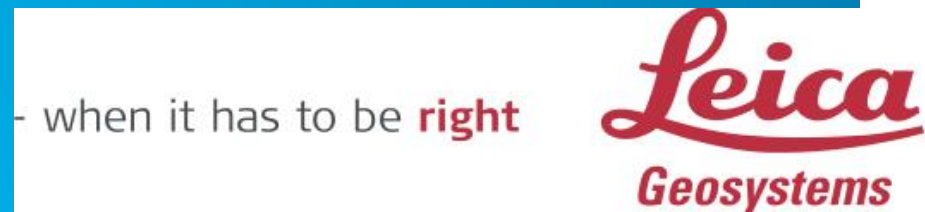


Collector for ArcGIS – 10.4.0 Release Highlights

- **Support for High Accuracy Data Collection:**
 - Set a location provider
 - Define a location profile
 - Attach accuracy information to your data
 - Receive alerts and notifications
- Released on iOS (July), Windows (August), and Android (October)

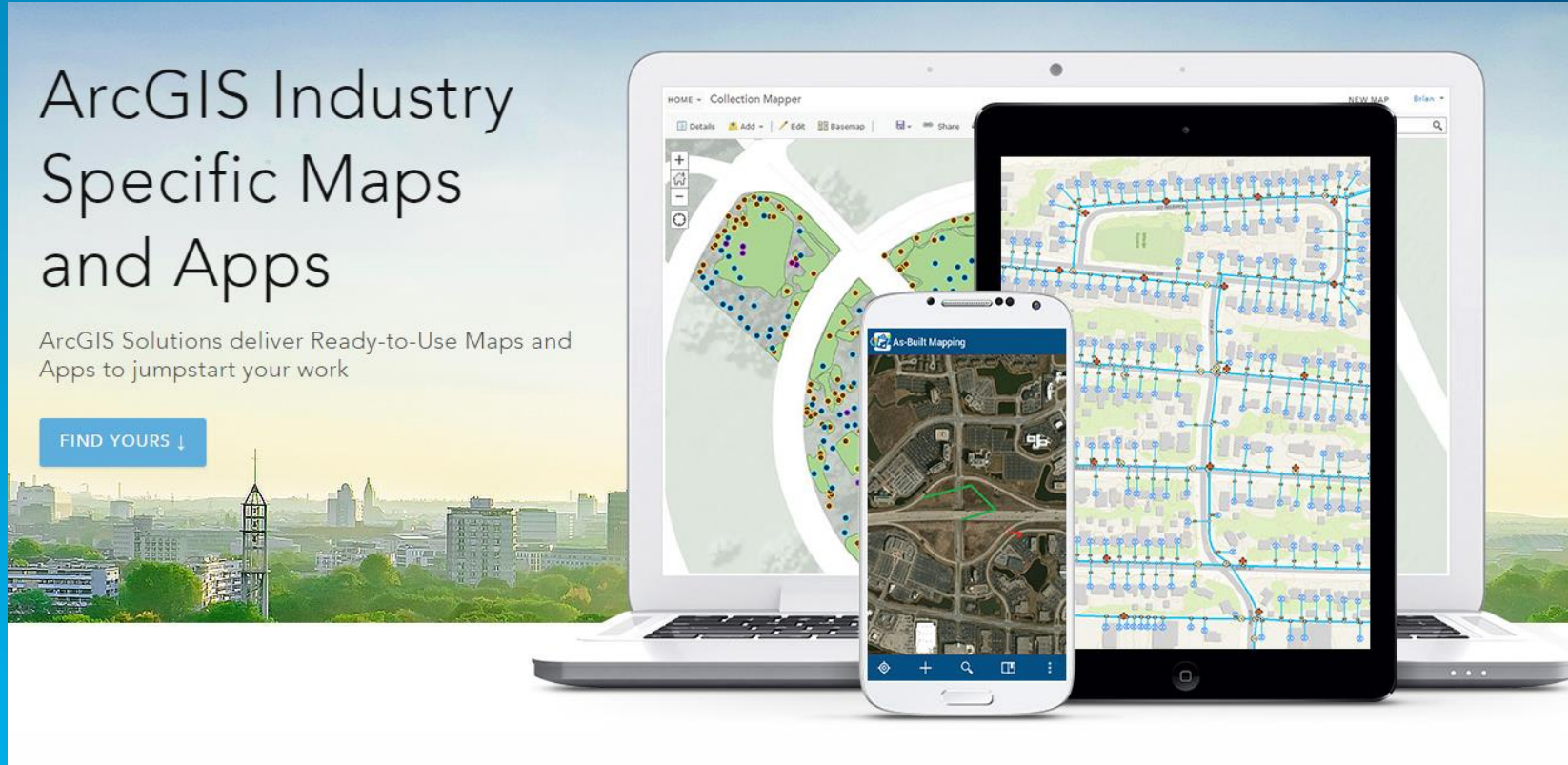


Collector for ArcGIS – Lots of Receivers



Collector for ArcGIS – solutions.arcgis.com

- [ArcGIS Solutions](#) (Search on Collector)



Collector for ArcGIS – Hosted Feature Layers

New Hosted Feature Layer

From Template

From Existing Layer

From URL

What do you want to do?

Select a feature layer template

Show All

Agriculture

Electric Utilities

Environment

Gas Utilities

General


Natural Resources

Petroleum


Public Safety

Telecommunications


Transportation




Damage Assessment




Debris Reports




Door To Door Sales




Drinking Water Advisory





Electric Utility Damage Assessment



ESI



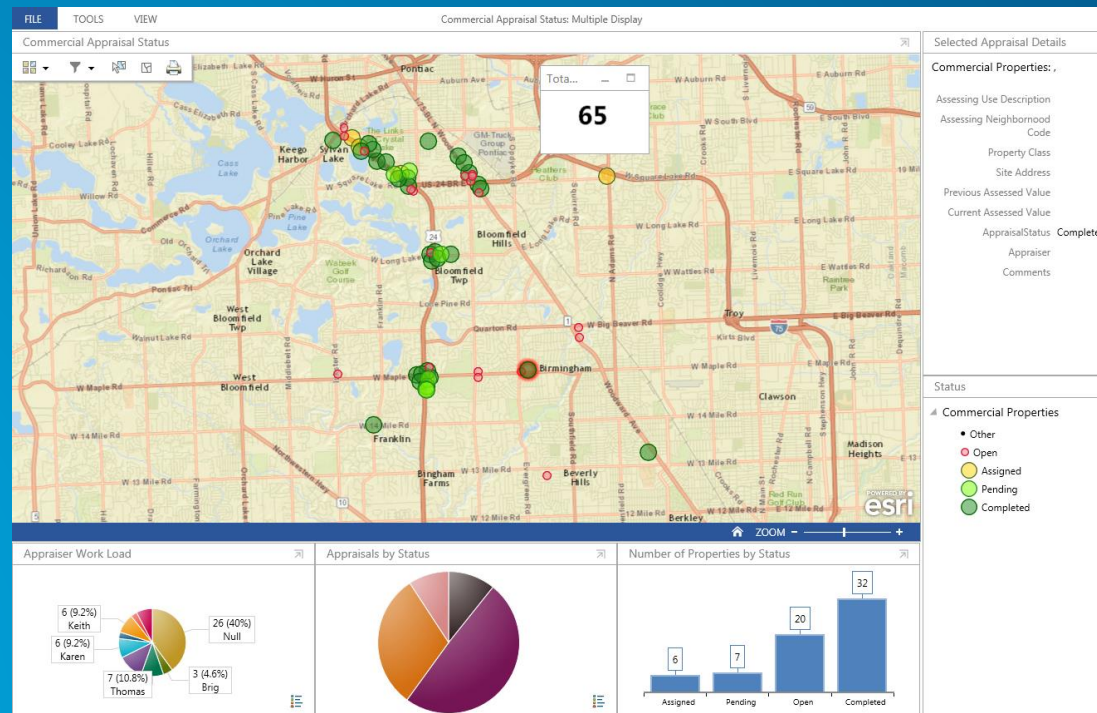




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Operations Dashboard for ArcGIS

- Monitor activities and events
- Track your field workforce
- Assess the status and performance of your daily operations.



Training and Resources

- **Goto Esri Training>(Filter on) Data Collection and Management**

<p>Training Seminar ⌚ 60 Minutes</p> <p>Offline Data Collection Using Collector for ArcGIS</p> <p>You can use Collector for ArcGIS to take maps into the field, collect data offline, and later synchronize your updates. In this seminar, see how to use the app to download maps to your mobile device and make updates to your geographic information systems (GIS) data without an Internet connection.</p> <p>⊕ Wish List FREE View Details</p>	<p>Training Seminar ⌚ 61 Minutes</p> <p>Survey123 for ArcGIS: Ask Questions, Get the Facts, Make Decisions</p> <p>Simplify the field data collection experience, facilitate data visualization and analysis, and support informed decision making with Survey123 for ArcGIS. This seminar introduces this light weight</p> <p>⊕ Wish List FREE View Details</p>	<p>Web Course ⌚ 3 Hours</p> <p>Field GIS: Collecting and Editing Data Using ArcPad 10</p> <p>Using ArcPad, you can improve GIS data accuracy and field workforce productivity. Learn a workflow for map-driven field data preparation, collection, and synchronization with your GIS database.</p> <p>⊕ Wish List FREE View Details</p>
<p>Training Seminar ⌚ 60 Minutes</p> <p>Simplify Field Data Workflows with Collector for ArcGIS</p> <p>Your organization can now easily capture and update data in the field with smartphones or tablets using the Collector for ArcGIS app. This seminar introduces essential concepts of Collector for</p> <p>⊕ Wish List FREE View Details</p>	<p>Web Course ⌚ 3 Hours</p> <p>Editing in ArcGIS Desktop</p> <p>The improved editing environment in ArcGIS Desktop 10 features a reorganized editing interface. This course introduces new streamlined editing workflows, which provide a more intuitive experience and allow for quicker completion of</p> <p>⊕ Wish List FREE View Details</p>	<p>Lessons ⌚ 60 Minutes</p> <p>Get Started with Survey123 for ArcGIS</p> <p>Survey123 for ArcGIS allows you to quickly create, publish, and analyze survey results that can be compiled and shared in near real time across an organization. In these lessons, you'll build a customer survey for a technology store franchise</p> <p>⊕ Wish List FREE View Details</p>

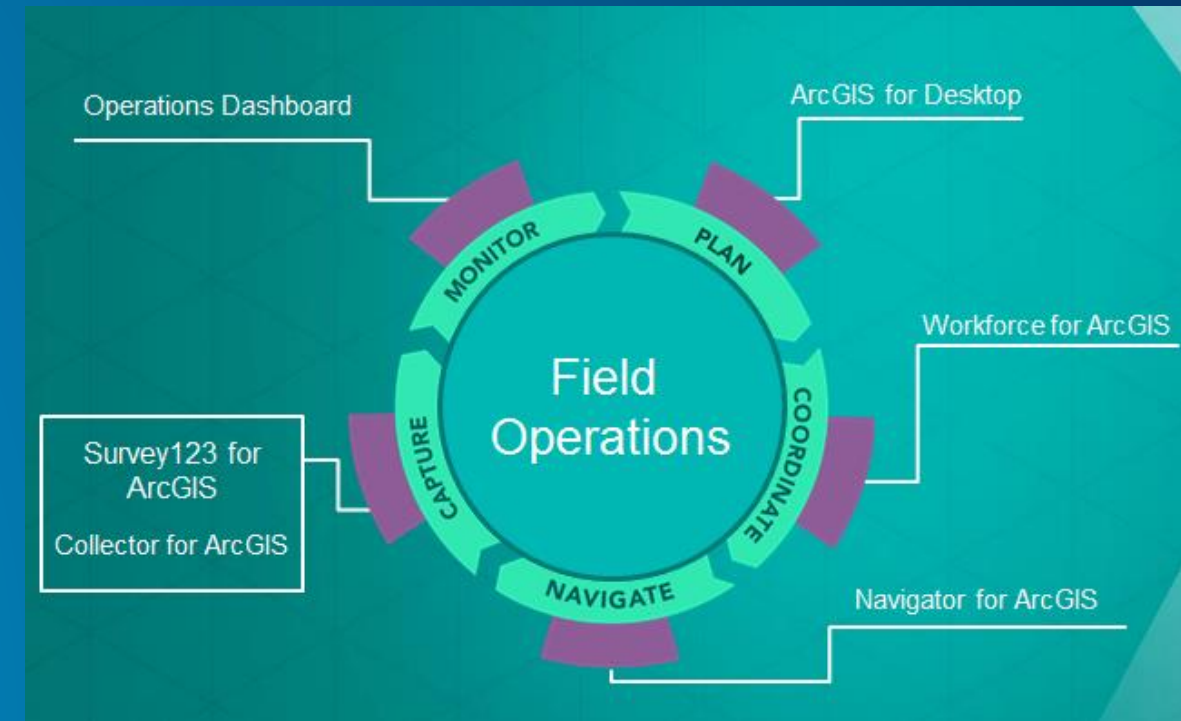
<https://blogs.esri.com/esri/arcgis/category/mobile/>

Survey 1,2,3

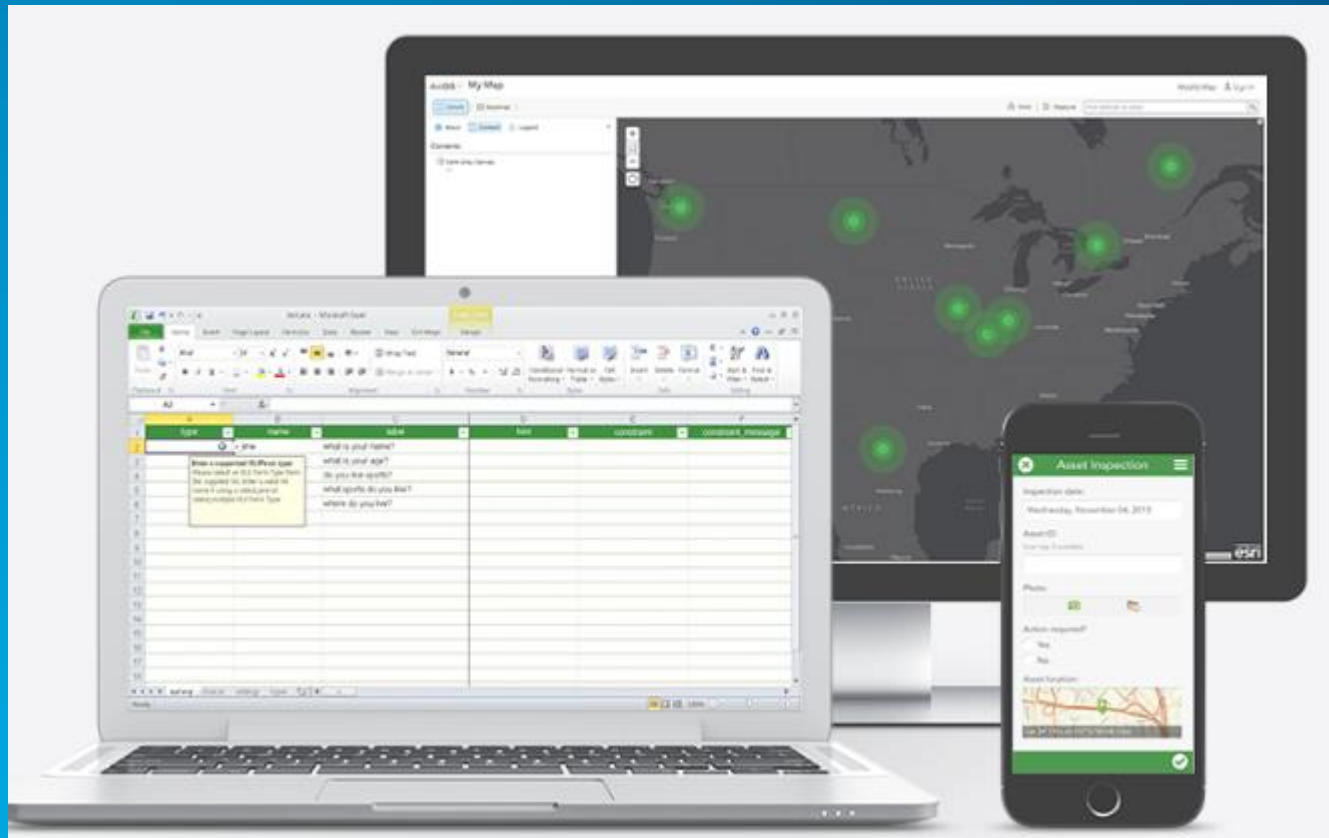
- **Replace paper-based data collection with a digital solution that fits the needs of field personnel**
- **Create, Share and Analyze Survey**
- **Quickly design powerful surveys and publish them into ArcGIS**
- **Enable your workforce with the Survey123 for ArcGIS mobile app to capture answers in the field**
- **Monitor Results in Real Time**
- **Analyze answers from the field in ArcGIS to support decision making**

Optimizing Field Operations with ArcGIS Apps.

- Plan with ArcGIS Desktop
- Coordinate Field Personnel – Workforce
- Navigate – Navigator for ArcGIS
- Capture Data – Survey 1,2,3 or Collector
- Monitor – Operations Dashboard
- Questions?



Demonstration Survey 1,2,3



Workshop